

AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Currently amended) An image forming apparatus comprising a recording paper transport system that transports recording paper and an image forming system that forms an image on recording paper transported by the recording paper transport system, wherein the image forming apparatus further comprises a paper detector that detects a leading or trailing edge of the recording paper, wherein

when, in the case that multi-feeding has occurred in which when a first recording paper is transported by the recording paper transport system another recording paper is also transported, and the other recording paper is not positioned between the first recording paper and an image forming portion of the image forming system, image forming processing for the first recording paper by the image forming system is continued, and

when, in the case that multi-feeding has occurred in which when a first recording paper is transported by the recording paper transport system another recording paper is also transported, and the other recording paper is positioned between the first recording paper and an image forming portion of the image forming system, image forming processing for the first recording paper by the image forming system is prohibited, and

when image information is performed in the case that multi-feeding has occurred, a reference for judging the occurrence of defects based on the detection information of the leading or trailing edge of the recording paper from the paper detector is changed to a reference taking into consideration the extent of multi-feeding and a reference time that is used for judging a jammed state.

3. (Canceled)

4. (Currently amended) An image forming apparatus provided with one or more movable feed members that supply recording paper by making contact with recording paper that has been placed on one or more placement stages and extracting that recording paper from the placement

stages with frictional force between the feed member and the contacted recording paper, and an image forming system that forms an image on the recording paper supplied by the feed member, wherein

the image forming apparatus further comprises a paper detector that detects a leading or trailing edge of the recording paper, wherein

the placement stages include a first placement stage in which the contact face of the recording paper contacted by the feed member is the image forming face, and a second placement stage in which the contact face of the recording paper contacted by the feed member is not the image forming face,

when, in the case that multi-feeding has occurred in which when a first recording paper is transported by the feed member another recording paper is also supplied, and the first recording paper has been fed from the first placement stage, image forming processing for the first recording paper by the image forming system is continued, ~~and~~

when, in the case that multi-feeding has occurred in which when a first recording paper is transported by the feed member another recording paper is also supplied, and the first recording paper has been fed from the second replacement stage, image forming processing for the other recording paper by the image forming system is continued, and

when image formation is performed in the case that multi-feeding has occurred, a reference for judging the occurrence of defects based on the detection information of the leading or trailing edge of the recording paper from the paper detector is changed to a reference taking into consideration the extent of multi-feeding and a reference time that is used for judging a jammed state.

5. (Canceled)

6. (Currently amended) An image forming apparatus provided with one or more movable feed members that supply recording paper by making contact with recording paper that has been placed on one or more placement stages and extracting that recording paper from the placement stages with frictional force between the feed member and the contacted recording paper, and an

image forming system that forms an image on the recording paper supplied by the feed member, wherein

the image forming apparatus further comprises a paper detector that detects a leading or trailing edge of the recording paper, wherein

the placement stages include a first placement stage in which the contact face of the recording paper contacted by the feed member is the image forming face, and a second placement stage in which the contact face of the recording paper contacted by the feed member is not the image forming face,

when, in the case that multi-feeding has occurred in which when a first recording paper is transported by the feed member another recording paper is also supplied, and the first recording paper has been fed from the first placement stage, image forming processing for the first recording paper by the image forming system is continued, and

when, in the case that multi-feeding has occurred in which when a first recording paper is transported by the feed member another recording paper is also supplied, and the first recording paper has been fed from the second placement stage, image forming processing for the first recording paper by the image forming system is prohibited, and

when image formation is performed in the case that multi-feeding has occurred, a reference for judging the occurrence of defects based on the detection information of the leading or trailing edge of the recording paper from the paper detector is changed to a reference taking into consideration the extent of multi-feeding and a reference time that is used for judging a jammed state.

7. (Currently amended) The image forming apparatus according to claim 2, wherein ~~at the paper detector that detects multi-feeding of the first recording paper and the other recording paper~~ is provided between the placement stage of the recording paper and the image forming portion of the image forming system.

8. (Canceled)

9. (Previously presented) The image forming apparatus according to claim 2, wherein a transfer bias is increased from a normal transfer bias when performing image formation in the case that multi-feeding has occurred.

10. (Previously presented) The image forming apparatus according to claim 2, wherein a fixing temperature is increased from a normal fixing temperature when performing image formation in the case that multi-feeding has occurred.

11. (Canceled)

12. (Canceled)

13. (Previously presented) The image forming apparatus according to claim 7, wherein a notifier is provided that, in the case that multi-feeding has been detected by the detector, makes such a notification.

14. (Original) The image forming apparatus according to claim 13, wherein the notifier makes a notification of information of the recording paper for which image formation could not be performed due to multi-feeding.

15. (Canceled)

16. (Previously presented) An electronic equipment, wherein the image forming apparatus according to claim 2 is a scanner apparatus, copy apparatus, or facsimile apparatus, or a multifunction machine in which any two or more of these are combined.

17. (Canceled)

18. (Canceled)

19-21. (Not entered)

22. (New) The image forming apparatus according to claim 2, wherein when image formation is performed in the case that multi-feeding has occurred, the reference time that is used for judging a jammed state is changed longer to a second reference time by a predetermined length.

23. (New) The image forming apparatus according to claim 4, wherein when image formation is performed in the case that multi-feeding has occurred, the reference time that is used for judging a jammed state is changed longer to a second reference time by a predetermined length.

24. (New) The image forming apparatus according to claim 6, wherein when image formation is performed in the case that multi-feeding has occurred, the reference time that is used for judging a jammed state is changed longer to a second reference time by a predetermined length.